

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT



ATTY. DOCKET NO. KONG-25	APPLN. NO. 10/717,136
APPLICANT Ling Yuk Cheung	CONFIRMATION NO. : 7249
FILING DATE November 18, 2003	GROUP 1614

U.S. PATENT DOCUMENTS

EXAMINE R INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	4,081,367	03/28/78	Hulls et al.	210	610	
✓	4,183,807	01/15/80	Yoshizawa et al.	210	611	
✓	4,211,645	07/08/80	Zajic et al.	210	611	
✓	4,559,305	12/17/85	Zajic et al.	435	243	
✓	4,816,158	03/28/89	Shimura et al.	210	610	
✓	5,075,008	12/24/91	Chigusa et al.	210	610	
✓	5,106,594	04/21/92	Held et al.	422	292	
✓	5,416,010	05/16/95	Langenberg et al.	435	468	
✓	5,476,787	12/19/95	Yokoyama et al.	435	262.5	
✓	5,567,314	10/22/96	Chigusa et al.	210	150	
✓	5,578,486	11/26/96	Zhang	435	243	
✓	5,707,524	01/13/98	Potter	210	606	
✓	5,879,928	03/09/99	Dale et al.	435	264	
✓	6,036,854	03/14/00	Potter	210	177	
✓	6,391,617	05/21/02	Cheung	435	254	
✓	6,391,618	05/21/02	Cheung	435	255	
✓	6,391,619	05/21/02	Cheung	435	255	
✓	6,436,695	08/20/02	Cheung	435	254	
✓	6,440,713	08/27/02	Cheung	435	173	
✓	6,649,383	11/18/03	Cheung	435	173.1	
✓	6,660,508	12/09/03	Cheung	435	173.1	
✓	20020123127 A1	09/05/02	Cheung	435	254	
✓	20020123129 A1	09/05/02	Cheung	435	254	
✓	20020123130 A1	09/05/02	Cheung	435	262	
✓	20040001815 A1	01/01/04	Cheung	424	93.51	
✓	20040001857 A1	01/01/04	Cheung	424	195.16	

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~	20040001857 A1	01/01/04	Cheung	424	195.16	
~	20040001858 A1	01/01/04	Cheung	424	195.16	
~	20040001859 A1	01/01/04	Cheung	424	195.16	
~	20040001860 A1	01/01/04	Cheung	424	195.16	
~	20040001861 A1	01/01/04	Cheung	424	195.16	
~	20040005337 A1	01/08/04	Cheung	424	195.16	
~						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
~	FR 2222433	10/18/74	France			✓ (Abstract Only)	
~	Abstract of SU 415983A	11/15/74	Russia			✓	
~	EP 0041373	12/09/81	EPO				
~	Abstract of SU 1071637	02/07/84	Russia			✓	
~	Abstract of JP 60028893	02/14/85	Japan			✓	
~	WO 87/02705	05/07/87	PCT				
~	WO 95/04814	02/16/95	PCT				
~	CN 1110317A	10/18/95	China				

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✓	WO 99/60142	11/25/99	PCT				
	WO 02/20431	03/14/02	PCT				
✓	WO 02/62981	08/15/02	PCT			✓ (Abstract only)	
✓	WO 02/62982	08/15/02	PCT			✓ (Abstract only)	
✓	WO 02/62983	08/15/02	PCT			✓ (Abstract only)	
✓	WO 02/62984	08/15/02	PCT			✓ (Abstract only)	
✓	WO 02/62985	08/15/02	PCT			✓ (Abstract only)	
✓	WO 02/070682 A2	09/12/02	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	[REDACTED]
✓	Agarwal N. et al., "Selection of <i>Saccharomyces cerevisiae</i> strains for use as a microbial feed additive," <i>Letters in Applied Microbiology</i> , 31:270-273 (2000).
✓	Asami, K. et al., "Real-Time Monitoring of Yeast Cell Division by Dielectric Spectroscopy", <i>Biophysical Journal</i> , 76, pp. 3345-3348 (1999).
✓	Balcer-Kubiczek, E.K. et al., "Expression Analysis of Human HL60 Cells Exposed to 60 Hz Square-or Sine-Wave Magnetic Fields", <i>Radiation Research</i> , 153, pp. 670-678 (2000).
✓	Bassett, C.A.L. et al., "Beneficial Effects of Electromagnetic Fields", <i>Journal of Cellular Biochemistry</i> , 51, pp. 387-393 (1993).
✓	Binninger, D. M. et al., "Effects of 60Hz AC magnetic fields on gene expression following exposure over multiple cell generations using <i>Saccharomyces cerevisiae</i> ", <i>Bioelectrochemistry and Bioenergetics</i> , 43(1): 83-89 (1997).

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✓	Conti, P. et al., "Effect of Electromagnetic Fields on Several CD Markers and Transcription and Expression of CD4", <u>Immunobiology</u> , 201, pp. 36-48 (1999).
✓	Deguchi, T. et al., "Nylon biodegradation by lignin-degrading fungi", <u>Applied and Environmental Microbiology</u> , 63(1): 329-331 (1997).
✓	Dufresne C. et al., "Tea, Kombucha, and Health: A review," <u>Food Research International</u> , 33:409-421 (2000).
✓	Gonzalez, A.M. et al., "Effects of an Electric Field of Sinusoidal Waves on the Amino Acid Biosynthesis by Azotobacter", <u>Z. Naturforsch</u> , 35, pp. 258-261 (1980).
✓	Goodman, E.M. et al., "Effects of Electromagnetic Fields on Molecules and Cells", <u>International Review of Cytology</u> , 158, pp. 279-339 (1995).
✓	Greenwalt C.J. et al., "Kombucha, the fermented tea: Microbiology, composition, and claimed health effects," <u>Journal of Food Protection</u> , 63:976-981 (2000).
✓	Grospietsch, T. et al., "Stimulating Effects of Modulated 150 MHz Electromagnetic Fields on the Growth of <u>Escherichia coli</u> in a Cavity Resonator", <u>Bioelectrochemistry and Bioenergetics</u> , 37, pp. 17-23 (1995).
✓	Grundler W. et al., "Resonant-like dependence at yeast growth rate on microwave frequencies," <u>The British Journal of Cancer</u> , Supplement, England Mar 1982, 45:206-208 (1982).
✓	Grundler, W. et al., "Mechanisms of Electromagnetic Interaction with Cellular Systems", <u>Naturwissenschaften</u> , 79, pp. 551-559 (1992).
✓	Grundler, W. et al., "Nonthermal Effects of Millimeter Microwaves on Yeast Growth", <u>Z. Naturforsch</u> , 33, pp. 15-22 (1978).
✓	Ivaschuk, O.I. et al., "Exposure of Nerve Growth Factor-Treated PC12 Rat Pheochromocytoma Cells to a Modulated Radiofrequency Field at 836.55 MHz: Effects on c-jun and c-fos Expression", <u>Bioelectromagnetics</u> , 18, pp. 223-229 (1997).
✓	Jelínek, F. et al., "Microelectronic Sensors for Measurement of Electromagnetic Fields of Living Cells and Experimental Results", <u>Bioelectrochemistry and Bioenergetics</u> , 48, pp. 261-266 (1999).
✓	Lacy-Hulbert, A. et al., "Biological Responses to Electromagnetic Fields", <u>FASEB Journal</u> , 12, pp. 395-420 (1998).
✓	Libertin, C.R. et al., "Effects of Gamma Rays, Ultraviolet Radiation, Sunlight, Microwaves and Electromagnetic Fields on Gene Expression Mediated by Human Immunodeficiency Virus Promoter", <u>Radiation Research</u> , 140, pp. 91-96 (1994).
✓	Lin, H. et al., "Magnetic Field Activation of Protein-DNA Binding", <u>Journal of Cellular Biochemistry</u> , 70, pp. 297-303 (1998).
✓	Lin, H. et al., "Specific Region of the c-myc Promoter Is Responsive to Electric and Magnetic Fields", <u>Journal of Cellular Biochemistry</u> , 54, pp. 281-288 (1994).
✓	Liu C.H. et al., "The Isolation and identification of microbes from a fermented tea beverage, Haipao, and their interactions during Haipao fermentation," <u>Food Microbiology (London)</u> , 13:407-415 (1996).

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~	Loberg, L.I. et al., "Expression of Cancer-Related Genes in Human Cells Exposed to 60 Hz Magnetic Fields", <u>Radiation Research</u> , 153, pp. 679-684 (2000).
~	Mayser P. et al., "The yeast spectrum of the 'tea fungus Kombucha'", <u>Mycoses</u> , Blackwell, Berlin, Germany, 38:289-295 (1995).
~	Moore, R.L., "Biological Effects of Magnetic Fields: Studies with Microorganisms", <u>Canadian Journal of Microbiology</u> , 25, pp. 1145-1151 (1979).
~	Morehouse, C.A. et al., "Exposure of Daudi Cells to Low-Frequency Magnetic Fields Does Not Elevate MYC Steady-State mRNA Levels", <u>Radiation Research</u> , 153, pp. 663-669 (2000).
~	Norris, V. et al., "Do Bacteria Sing? Sonic Intercellular Communication Between Bacteria May Reflect Electromagnetic Intracellular Communication Involving Coherent Collective Vibrational Modes that Could Integrate Enzyme Activities and Gene Expression", <u>Molecular Microbiology</u> , 24, pp. 879-880 (1997).
~	Novelli, G. et al., "Study of the Effects on DNA of Electromagnetic Fields Using Clamped Homogeneous Electric Field Gel Electrophoresis", <u>Biomedicine & Pharmacotherapy</u> , 45, pp. 451-454 (1991).
~	Phillips, J.L., "Effects of Electromagnetic Field Exposure on Gene Transcription", <u>Journal of Cellular Biochemistry</u> , 51, pp. 381-386 (1993).
~	Pichko, V. B. et al., "Electromagnetic stimulation of productivity of microorganisms and its mechanisms", <u>Prikladnaya Biokhimiya i Mikrobiologiya</u> , 32(4): 468-472 (1996).
~	Ponne, C. T. et al., "Interaction of electromagnetic energy with biological material—relation to food processing", <u>Radiation Physics and Chemistry</u> , 45(4): 591-607 (1995).
✓	Romano-Spica, V. et al., "Ets1 Oncogene Induction by ELF-Modulated 50 MHz Radiofrequency Electromagnetic Field", <u>Bioelectromagnetics</u> , 21, pp. 8-18 (2000).
✓	Surawicz Christina M. et al., "The search for a better treatment for recurrent Clostridium difficile disease: Use of high-dose vancomycin combined with <u>Saccharomyces boulardii</u> ", <u>Clinical Infectious Diseases</u> , 31:1012-1017 (2000).
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~	Ventura, C. et al., "Elf-pulsed Magnetic Fields Modulate Opioid Peptide Gene Expression in Myocardial Cells", <u>Cardiovascular Research</u> , 45, pp. 1054-1064 (2000).
~	Woodward, A.M. et al., "Genetic Programming as an Analytical Tool for Non-linear Dielectric Spectroscopy", <u>Bioelectrochemistry and Bioenergetics</u> , 48, pp. 389-396 (1999).

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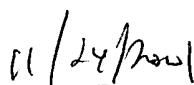
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<input checked="" type="checkbox"/>	Yonetani, T. et al., "Electromagnetic Properties of Hemoproteins", <u>The Journal of Biological Chemistry</u> , 247, pp. 2447-2455 (1972).
<input type="checkbox"/>	Zhang, L. et al., "Electrostimulation of the Dehydrogenase System of Yeast by Alternating Currents", <u>Bioelectrochemistry and Bioenergetics</u> , 28, pp. 341-353 (1992).
<input type="checkbox"/>	"Saccharomyces cerevisiae Meyen ex Hansen", China Catalogue of Cultures/China Committee of Culture Collection for Microorganisms (CCCCM), " www.im.ac.cn/database/YEAST/y122.htm ", April 24, 1996, retrieved on November 27, 2002.

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